

841043
 OFFICE USE ONLY
 Log No. 41704 41707
 Permit No. _____
 Basin 087-TruckeeMeno

PRINT OR TYPE ONLY
 DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 23242

1. OWNER Rancharrah Property ADDRESS AT WELL LOCATION 6001 Talbot Lane
 MAILING ADDRESS clo. Kennedy Jenks Consultants Reno, Nevada
303 Second St. San Francisco, Ca.
 2. LOCATION NW 1/4 SE 1/4 Sec. 36 T. 19 N. R. 19 E Washoe County
 PERMIT NO. M-0638 40-081-23 N/A Subdivision Name

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other _____
 4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock
 5. WELL TYPE
 Cable Rotary RVC
 Air Other Auger

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<u>Lean clay</u>	<u>N/A</u>	<u>0</u>	<u>5</u>	<u>Thin</u>
<u>Lean Clay with sand</u>	<u>N/A</u>	<u>5</u>	<u>10</u>	<u>Mottled</u>
<u>well Graded Sand w/Gravel</u>	<u>13.0</u>	<u>10</u>	<u>15</u>	<u>Medium</u>
<u>Clayey Sand</u>		<u>15</u>	<u>20</u>	<u>Medium</u>
<u>Clayey Sand</u>		<u>20</u>	<u>23</u>	<u>Medium</u>

please see attached Geologist's log.

8. WELL CONSTRUCTION
 Depth Drilled 23 Feet Depth Cased 23 Feet
 HOLE DIAMETER (BIT SIZE)
 From To
10 Inches 23 Feet 23 Feet
N/A Inches _____ Feet _____ Feet
N/A Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>4"</u>	<u>N/A</u>	<u>Sch. 40</u>	<u>0.5</u>	<u>23.</u>

Perforations:
 Type perforation PVC
 Size perforation .020
 From 12 feet to 22 feet
 From N/A feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 Surface Seal: Yes No Seal Type:
 Depth of Seal 8 Neat Cement
 Placement Method: Pumped Cement Grout
 Poured Concrete Grout
 Gravel Packed: Yes No
 From 10 feet to 22 feet

9. WATER LEVEL
 Static water level 13.0 feet below land surface
 Artesian flow N/A G.P.M. unknown P.S.I.
 Water temperature 66 °F Quality unknown

Date started 2/12, 1993
 Date completed 2/12, 1993

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift	<u>N/A</u>		

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name Hedman Drilling Co. Contractor
 Address P.O. Box 726 Contractor
Lincoln, Ca. 95648
 Nevada contractor's license number issued by the State Contractor's Board 0033492
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller M1846
 Signed Steve Hedman
 By driller performing actual drilling on site or contractor
 Date 6/28/93

Boring & Well Construction Log

cg 2013

10/4/2017
Kennedy/Jenks Consultants

BORING LOCATION RANCHARRAH PROPERTY, RENO, NEVADA		Boring/Well Name HW-2	
DRILLING COMPANY Wayne Drilling Company		DRILLER W. Taylor	
DRILLING METHOD(S) Hollow Stem Auger		DRILL BIT(S) SIZE 10-inch O.D.	
ISOLATION CASING NONE		Project Name STANHABRAH	
BLANK CASING 4-INCH SCHEDULE 40 PVC		Project Number 922524.01	
PERFORATED CASING 4-INCH SCHEDULE 40 PVC (0.02-SLOT)		ELEVATION AND DATUM 4536.43	
SIZE AND TYPE OF FILTER PACK #3 LONESTAR SAND		TOTAL DEPTH 23.0 FT.	
SEAL 1/4-INCH BENTONITE PELLETS		DATE STARTED 2/12/93	
GROUT PORTLAND CEMENT/2% BENTONITE POWDER		DATE COMPLETED 2/12/93	
		STATIC WATER ELEVATION 4526.43	
		NORTHING 7807.090	
		EASTING 8462.610	
		WELL COMPLETION <input checked="" type="checkbox"/> SURFACE HOUSING <input type="checkbox"/> STAND PIPE _____ FT.	

SAMPLES			WELL CONSTRUCTION		USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
Type & No.	Recovery (Feet)	Penetr. Resist. Blows/ft	Drill Depth (Feet)	Water tight well enclosure				
				LOCKING EXPANSION PLUG				TOPSOIL
	1.0	3	4		CL	10YR 5/4		LEAN CLAY: MODERATE YELLOWISH BROWN, LOW PLASTICITY, STIFF, SLIGHTLY MOIST
		8		GROUT				
		5	4		CL	10YR 4/2		LEAN CLAY WITH SAND: DARK YELLOWISH BROWN, 5% TO 10% MEDIUM GRAINED SAND, ROUNDED COARSE GRAVEL, SLIGHTLY MOIST - BECOMES MOTTLED AT 5.5 FEET, LIGHT BROWN TO PALE YELLOWISH BROWN, STIFF
A	1.0	5	6	BLANK CASING		5YR 5/6 TO 10YR 6/2		
		6						
	1.5	6	12	SEAL				GRAVEL AT 9.0 FEET
		12						
		10	16		SW	10YR 5/4		WELL GRADED SAND WITH GRAVEL: MODERATE YELLOWISH BROWN, FINE TO COARSE GRAINED SAND, ROUNDED COARSE GRAVEL, DENSE, MOIST
B	1.0	20	24	FILTER PACK				
		24						
		6		GROUNDWATER FIRST ENCOUNTERED AT 13.0 FT.	SC	5YR 4/4		CLAYEY SAND: MODERATE BROWN, FINE TO MEDIUM GRAINED SAND, WELL GRADED, 30% TO 40% SILT AND CLAY, MEDIUM DENSE, MOIST
	0.5	9						
		20						
		15	5	PERFORATED CASING	GP	10YR 5/4		POORLY-GRADED GRAVEL: MODERATE YELLOWISH BROWN, MEDIUM TO COARSE GRAINED, COARSE GRAVEL, WELL ROUNDED, MEDIUM DENSE, SATURATED
C		7						
		9						

Boring & Well Construction Log

9/30-3 10/4/07

Kennedy/Jenks Consultants

Project Name			Project Number			Boring/Well Name		
STANHARRAH			922524.01			HW-2		
SAMPLES			Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
Type & No.	Recovery (Feet)	Penetr. Resist. Blows/ft						
	1.0	6		PERFORATED CASING	SC	[Hatched Pattern]	10YR 5/4	CLAYEY SAND; MODERATE YELLOWISH BROWN, 30% TO 40% CLAY, COARSE GRAVEL, WELL ROUNDED, MEDIUM DENSE, MOIST
		7						
		10						
		5	20	FILTER PACK				SAME AS ABOVE
D	1.5	7						
		9						
				BOTTOM PLUG				

NOTES:

1. All dashed contacts are approximate.
2. Vertical scale is 1 inch = 2.5 feet.
3. Soil samples collected with 2.5-inch California split-spoon samplers.
4. Soil classified in accordance with Unified Soil Classification System, ASTM D-2488-90.
5. Color designation in accordance with the Munsell Rock Color Chart (Geological Society of America, 1984).
6. 4-inch Schedule 40 PVC groundwater monitoring well installed upon completion of boring.
7. Static water elevation measured 3/1/93.